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Specification and Drawings as originally filed, with Application for Patent Serial No: 2,335,395, on February 8, 2002, by OPENGRAPHICS CORPORATION, assignee of Stephen B. Sutherland and Dale M. Wick, for "Controlled Access System for Online Communities".

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Agent certificateur/Certificing Officer
December 20, 2005

Date

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### ABSTRACT OF THE DISCLOSURE

A system for granting group permissions to specific resources to users in online communities such as the Internet.

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### TITLE: CONTROLLED ACCESS SYSTEM FOR ONLINE COMMUNITIES

### FIELD OF THE INVENTION

The present invention relates to a system for managing group permissions to dynamically created and shared resources in online communities, using open standards for email and the World Wide Web, in particular, over the Internet or intranets with such applications as online photo communities.

### BACKGROUND OF THE INVENTION

Although widely used and understood concepts of network resource management of traditional resources of file and print servers using protocols such as "samba" and Sun Microsystem's "NFS" (network file system) have met demands of traditional network users, new challenges of typically Internet-based online communities require a different approach to resource administration.

Traditionally, the formation of groups and allocation of network resource access permissions has been done centrally by a relatively small set of specially trained administrators who typically define only a handful of relatively static groups (or classes of users) using minimal automation. To be able to centrally create such groups, administrators must be given "total knowledge" of the system – including a detailed list of all users with which to create such groups and a list of all network resources. This use of groups to categorize users to give fairly standardized permissions for file access, update and deletion as well as printer control greatly simplified administration of such traditional network resources.

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With online communities, there tends to be not hundreds to thousands of users, but tens of thousands to millions of users. These users wish to create many

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impromptu groups with small or large numbers of members each. Groups may last for hours, days, weeks or even years and would come together to share folders of documents, selected information, photo albums, message lists, or other data. Ideally, to allow these groups to form, each user would become a "mini-administrator" that can add access to others for their own or group content.

One current example of an online community faced 10 with these challenges is that of ICQ (short for "I seek you"). With ICQ, the online community is formed around the idea of each user having a group of friends that they monitor information about. Effectively the resource is the ability to send messages to other selected ICQ members. enroll new members in your group of contacts (and similarly 15 in their group of contacts), the ICQ system follows one of three strategies: (i) publishing your ICQ member ID on a business card or web site so that others will be able to identify you; (ii) emailing an invitation to join which contains your ICQ ID; or (iii) searching a public directory 20 to find the ICQ ID someone you wish to contact. The ultimate process in all three strategies requires that your ICQ number is received by the prospective member of your group. Then they enter that in their ICQ contact list, and 25 you are asked to verify their admission.

In order to allow ad hoc groups to form and share specific information, it is apparent that the current state of the art for traditional network management is to either distribute the owner's account and password and therefore all permissions for a given shared resource to a target group, or to create resources freely accessed by all users. For online communities, the state of the art in true ad hoc group creation is to publicly publish all users' contact information such that anyone can request entry into a group. Alternatively, such sites publish the content to the Internet world at large.

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It is clear that neither the approaches used in traditional network management, nor those currently deployed by online communities, effectively bridge the gap for ad hoc group creation between centrally managed secure resource access and unsecured open access.

### SUMMARY OF THE INVENTION

The invention defines a system permitting many non-trusted administrators, with minimal knowledge of other system users, to securely create ad hoc groups from both existing system users and those previously outside the system and manage corresponding resource permissions for such groups and in some cases, for individuals within such groups.

The system identifies four main components: a resource, the owner (or owners) of the resource, an existing member user and a non-member user.

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In the simplest case, the owner of a resource selects the level of access for the new group when it is created. The owner then requests the system to generate an appropriate sign-up URL (as defined below) to be sent to the email addresses of the prospective member and non-member users. Each user receives the sign-up URL in email. The user then clicks on the sign-up URL which links to one of two corresponding web pages. For members, they are asked to login. On successful login, the database is updated with their group membership activated. For non-members, they are asked to sign up and then they are added to the group membership. The user is granted the group permissions offered by the owner.

35 There are a number of possible different refinements to the above process, depending on the demands of the ad hoc group which may determine the composition and thus corresponding behavior of the sign-up URL. In the

list below, examples are provided to illustrate both the breadth and scope of possible uses for such sign-up URL's.

- 1) The sign-up URL in the simplest case only contains a coded reference to the group that the
  5 prospective member (or non-member) has been invited to join. For example, a photographer might have a group of albums of professional work targeted at different audiences with certain photographs appearing in multiple albums. In this case, the photographer would classify his clients into groups according to their tastes and only invite each client into one group containing related albums.
- 2) The sign-up URL might include coded references 15 to multiple group invitations. It is conceivable, for instance, that a real-estate agent might create a resource (an album typically) for each property being offered. These albums would then be offered to selected groups (for example, the agent might have the "Bass Lake Cottage Group" 20 and the "Pine Lake Cottage Group" and the "Sunset City Group" - if the agent listed a cottage near both Bass and Pine Lakes, it's album might be included in both groups). Likewise, prospective clients might be invited to view a set of such resources by receiving a sign-up URL 25 automatically placing such client into the "groups" for properties that the agent feels the client will have an interest.
- 3) The sign-up URL may include a time expiry
  30 embedded. For example, maybe the group will only accept
  new members for a given period perhaps it's a "you must
  act fast" promotional scenario.
- 4) The sign-up URL may include a unique identifier
  35 which prevents its use more than once, thus preventing an invitee from forwarding the URL to other uninvited parties.

5) The sign-up URL may include encoded information about the prospective group member it has been emailed to which would prevent others from using it to logon and register for a group.

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The sign-up URL may include a code to notify the resource owner when it is used by a prospective member. It might also be coded to inform the resource owner who used it to be added to the group.

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7) The sign-up URL may include a code to check, before confirming registration of a prospective member, that the invitation to join a group has not been retracted by the resource owner.

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8) The sign-up URL may include a code to grant the prospective member of a group special access to the resource beyond that given to most members of the group - or to provide more restrictive access than that given to most members.

In any of the above cases, it can readily be seen that any of the materials encoded within the sign-up URL may be replaced with a unique identifier (a "pointer") referencing a database table entry where the actual variable data might be stored. In this case, when the prospective member clicks on the URL, the server makes a database lookup based on the pointer encoded into the URL to ascertain the desired action based on fields in the database.

In accordance with one embodiment of the present invention, a unique internet photo sharing community may be constructed. The process of sharing albums (the resource) in traditional photo sharing communities is cumbersome for a number of reasons:

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- 1) The owner of a set of pictures typically creates an album and must assign a password. The owner has a significant task in managing album names and passwords since each album must have a different password unless he/she wishes previous invitees to simply have access to all his/her albums.
  - 2) The owner then emails the album name and password to friends. Each and every time he/she has a new album to share, and invitation must go out with the album name and password a laborious task.
  - 3) Friends receive this email and must manually note the name of the album and password on a piece of paper or some other list they keep with their computer as there is no way to access all albums they have been invited to (likely from many different people) with one password or even see all their invited album names in one short list on the photosharing site.
  - 4) The owner of the album has no knowledge if their invitees accept their invitations or even if anyone has looked at the album.
  - 5) There is also no way that the owner of the album can control who receives the invitation as it may be forwarded without the owners knowledge and anyone with the album name and password may access the album.
- 25 6) There is no way for the owner of an album to retract an invitation. Say, for example that someone was posting rude remarks against certain photos within the album. Although the album owner would see the username of the individual, there would be no way to restrict such person without changing the password to the album and thus having to inconvenience everyone else.

These factors are severely restricting the success of traditional photosharing sites and are addressed in the following steps defining one embodiment of the present invention:

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- 1) In this invention, a member of a photosharing community can create named groups of people by adding individuals email addresses or userids to the group. The system would automatically match email addresses with existing userids.
- 2) The member then gives access to one or more albums to each group and sends an email containing the invitation URL to the group.
- 3) On receipt of the URL, each invited member is
  10 given an option to accept membership in the group and thus
  access to group albums. The URL may only be used by those
  to whom it is addressed.
- 4) Invited members use their own password to access shared albums and see a list of all their personal albums
  15 and any shared albums at their will. Thus, each member of the photo sharing community has only one password to remember, and only one location to check to see a list of albums and groups.
- 5) The owner of the group may retract access by any 20 invited member. The owner can also see if invited members have accepted the invitation and may re-invite users.
  - 6) The owner of a group may offer extended access to any member, this allows for multiple group members to be able to upload images for example.
- 7) From time to time, new albums may be added to, and older albums may be removed from, the group access.

  Each time a group member checks his/her group albums, the new albums will automatically appear no notice from the group owner is required unless requested by group members.

Comparing the effectiveness of the above with

the traditional photo sharing site is illustrative: A ski club, for example, could add all its members to a group on the photo sharing site, ensuring that the membership

secretary dynamically added and removed members throughout the season (new members would get invitations to the group). 'Each ski team would then post one or more albums throughout the season as "team captains" would have album

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create access within the group. Members would then have access to these albums on a virtually instantaneous basis just by checking albums posted to their Ski Club group. With the traditional photo sharing sites, constant emails would have to go out each time a new album was posted and such emails would have to contain the album name and password. If multiple "team captains" were posting albums, each would have to know all the email addresses of all members of the club. If club membership changed, all these email lists would have to be continually updated. No common "Ski Club" group would exist where all club albums could be found by members. Essentially, the administration of the ski club photosharing would become a batch process versus the truly dynamic, spontaneous process possible under the invention herein.

### BRIEF DESCRIPTION OF THE DRAWINGS

Preferred embodiments of the invention are shown in 20 the drawings, wherein:

Fig. 1 is a topological view of a traditional file sharing system;

Fig. 2 is a topological view of the ICQ member system;

25 Fig. 3 is a topological view of the online photo community;

Fig. 4 is a state diagram of a trusted administrator group system;

Fig. 5 is a state diagram of the ICQ member 30 system; Fig. 6 is a state diagram of the online photo community

Fig. 7 is an example login screen for a member "dissident";

Fig. 8 is a screen showing the groups of the 35 member "dissident";

Fig. 9 is a screen showing how to create a group;

Fig. 10 is a screen showing how people are invited to join a group;

Fig. 11 is a screen showing the new group "sample group" and the albums shared therewith;

Fig. 12 is a screen providing feedback with respect to invitations sent by e-mail to individuals;

Fig. 13 shows an e-mail invitation received by the non member dmwick;

Fig. 14 is an initial screen used when dmwick uses the URL contained in the e-mail;

Fig. 15 is a screen allowing dmwick to set up an account as a new member;

Fig. 16 is a screen allowing the new member to view the albums available to him, namely; his own first album and the shared albums of sample group "dissident";

Fig. 17 is a screen showing details of the sample group/dissident when actuated;

Fig. 18 is a message to the member "dissident" that the new member "patent" has accepted his invitation;

Fig. 19 is a status screen allowing the member "dissident" to overview the status of his group "sample group"; and

Fig. 20 is a screen allowing removal of members from a group.

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### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Figure 1 shows a traditional prior art file sharing scheme over a Local Area Network or Wide Area Network 3. There can be multiple file servers 4 connected to a central login server 5 who share files on a per user 2 basis. The Site Administrator 1 controls who has access to what resources.

Figure 2 shows a similar prior art arrangement for the ICQ<sup>TM</sup> online chat community, based over the Internet or intranet 23 instead of a LAN or WAN 3 of Figure 1. Instead of a file server 4 there is an ICQ Server 24

and there is a Member Database 25 instead of Login Server 5. Both file server 4 and ICQ server 24 represent the resource. Both login serve 5 and database 25 holds the user profile with the list of the groups that each user is a member of. With figure 2, an individual member 21 who wants to invite a new member 22 to his or her contact list. The contact list can be viewed as a group that the invitee belongs to in the same way that a user 2 of Figure 1 can belong to a number of groups.

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Figure 3 shows the online photo community topology according to the present invention. The Resource Owner 3 becomes equivalent to the ICQ Invitor 21. The invitee 22 of Figure 2 is equivalent to a Non-member User 32 or Member User 33 of Figure 3. The network (internet or intranet) is 34. The database server 37 corresponds to the ICQ member server 25.

The Start 4 is followed by a log in 42 central state. From here the trusted administrator can create or destroy user and groups 43, 44, 45 and 46 as well as set the group for each resource 50 and change the permission on a resource 51. Finally to work with groups, the administrator needs to move from state 42 to 47, selecting a particular group to work on. From state 47, the administrator can add users 48 or remove users 49. Because the administrator is trusted, these actions happen without confirmation.

30 Figure 5 shows the ICQ contact sign up scheme for the case where the potential contact is not in a publicly listed directory. In states 53, 54 and 55 the invitor is in control. The invitation is created in 55 and is emailed in 56 by the ICQ server or other email system.

35 From step 57 to 58 the invitee takes over. In step 59 the ICQ number is copied into their client software, and the normal conformation steps take place.

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In figure 6 we see the states involved in the online photo community. The diagram starts at state 61. First, the Resource Owner logs in at State 62 (for example the owner of photos in the online community logs in). This is similar to State 42 of Figure 4. From here the resource owner has access to the groups created by him or her. That list of groups can be maintained using states 65 and 66.

Also State 70 and 71 allow resource permissions
and group access to be altered. Again, the resources are
limited to owned resources, unlike 50 and 51 of Figure 4.
In a file system the resources are typically files and the
permissions are reading, writing, executing, and deleting.
With an online photo sharing community, the permissions
allow for reprints, cropping, annotation, image processing,
reusing in a collague or total reuse permission.

Finally a group is selected in state 67. In 69, the owner is then able to remove users from the group in a manner similar to state 49. At state 68, the owner invites a user to the group.

The method followed from state 68 involved sending a special URL which is created at state 63 and simplifies joining of the group. This URL contains a unique identifier plus some randomness for security. This allows for a number of options for encoding the email address of the prospective user or a serial number that links back to a database. The cookie can either be set to expire or be unique to a particular email address or member user's account. In state 64 the cookie can be recorded in the server side database and a potential expiry date can be recorded.

35 Then at State 72, the URL is sent by email denoted by the line between 72 and 73, and the Resource Owner is returned to State 67.

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At state 73 a member or non-member user receives an email containing a URL with a special cookie. Members follow the path 74 to 75 to become logged in, whereas Nonmembers follow the path 76 to 77 to log in. In either case the cookie is retained by the web browser through these sign up or log in procedures. Members could be optionally auto logged in via a log in cookie. Non-members could be allowed special viewing privileges without joining as a member. In any case, the group joining cookie is carried through to the server in State 78 where the member is automatically added to the group.

The system and method of the present application allows a web server to be configured to allow a host of users to become separate group administrators where each administrator is associated with at least one common resource that he wishes to make available to users of his choice. The web server is designed such that the group administrator can log in and is directed through a series of web pages (shown as Figure 7 through 20) to invite new users of his choice to join the group and to also allow this group administrator to set different privilege levels with respect to each invited user.

A database associated with the web server records the particulars of users and invited users in the database associated with a URL which is provided to the users and which is customized to allow the database to know the privilege level. The group administrator can modify his 30 common resource and extend the content thereof, making it available to all members of the group without changing the relationship with the various users of his group.

Users contact the web server using the URL and 35 merely complete a login procedure with a common password protection preferrably being present (Fig. 7). This is basically a single security step to provide access to the web server with the authorization associated with the

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common resource being maintained with the database. In this way, the group administrator can increase and/or limit the access a user has and the privileges that the user has. With this arrangement, the web server allows the group administrator to effectively preauthorize users which he has decided to invite to his group and preferrably, the URL which is provided to the user includes in part thereof, a code which is used by the web server to determine the privileges and common resources that the user has access to.

Both the group administrator and the various users access the web server and full control for the common resource of the group administrator lies with the group administrator and does not require interaction with personnel associated with the web server. Basically, the web server has been configured to provide this control to the group administrator and also allows this group administrator in a simple way, to invite users to share his particular common resource and to simplify the interaction by the group administrator with the web server, as well as the individual users with the web server.

This system and method has particular application with respect to digital photography and the storing of digital photo albums or digital photo content on a web server where a particular group administrator controls access to his particular digital content. Access to the particular group administrator's common resource is controlled to whatever degree that the group administrator wishes. If a high degree of control is desired, the group administrator can have the web server create a unique URL for each possible user of that resource and the different privilege levels for that particular user can be maintained in a database associated with the web server and the particular URL. In other cases, unrestricted browsing can be possible.

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With respect to the specific example of photographic digital data, different privileges could include browsing of the content to selection, printing of certain portions of the data to editing and/or forwarding to other parties. These privileges can be modified by the group administrator and the system also allows the group administrator to set a certain time period during which access is allowed. For example, the URL could expire at a particular point in time and if the previously authorized user tries to access the common resource after the expiry time period, the database will recognize that this URL has expired and deny access. This system allows a very flexible approach where basically unskilled group administrators can form and provide information to users of their choice with a degree of security that they have selected or accepted.

The system is easy to use for the group administrator as well as for individuals who have been invited to join a group as the web server basically uses the URL to simplify contact and control the privileges of a user in accordance with information determined by the group administrator.

25 The above system has particular application with respect to digital photography, however, it is certainly not limited to this application. Basically, the system allows simplified control access and management of a database of the group administrator. This arrangement 30 allows many unrelated group administrators to store their information on a web server and limit access to their information to users which they have effectively preauthorized. The web server can host many unrelated common resources and have many different group administrators who are all unrelated. Such a centralized 35 system can be extremely cost effective while still providing the individual group administrators with full control and flexibility with respect to expansion of their information, and expansion of their users and the various privilege levels and number of privileges available to their users.

Thus this system is cost effective as many different users have access to a system which on a single or small user base would not be cost effective.

Fig. 7 shows the login screen 100 for the user
10 dissident. This user has entered their password and has
opened the screen 102 shown in Fig. 8. The member
dissident has then opened using the navigation control on
the left hand side "my groups" to move to the screen shown
in Fig. 9.

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Fig. 9 shows the navigation bar 104 and the member actuates the control "create group". This produces the screen 106 where the dissident in this case will name the group "sample group".

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In Fig. 10, various members are added to this new group as shown in screen 108 where two people are being invited to the group, namely; dmwick at a certain e-mail address, and stevel who would be a member of PIXBANK.

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Fig. 11 shows a status screen 110 stating that the group "sample group" has no members and also shows what albums are available to be shared by this group. There is also a report that this group has two pending invitations. By actuating control 112, the user moves to screen 114 shown in Fig. 12. The two pending invitees are listed and certain management controls are possible.

Fig. 13 shows an e-mail which has now been received by the non member dmwick. Within the e-mail, is the URL 116 which provides a simple means for the invitee to respond to the invitation. Actuation of the URL will take him to the website and take him to the login screen.

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The login screen is shown in Fig. 14 as 118. Instructions are provided allowing login based on a new member or login based on an existing member.

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Screen 120 of Fig. 15 shows the login procedure for the new member dmwick. As can be seen, the new member enters a password of his choice at 122 and basically, this is the only information he is required to remember. The URL which he used has already registered certain information which he is entitled to share. In addition, as a member, he can store his own digital records on the site, and also proceed with his own group, if he so wishes.

15 After the login at Fig. 15, the new member dmwick is taken to the screen 124 of Fig. 16 and decides to look at the sample group that he has been invited to join. This then takes him to the shared albums of the sample group/dissident shown as 126 in Fig. 17. He can then review any of those albums according to whatever privileges have been assigned to the original administrator.

Fig. 18 shows a system which is provided back to the owner of the sample group. In this case, the member patent is the name that was entered by the invitee who received the e-mail address to dmwick.

Fig. 19 is a further status screen 130 which has been accessed by the member dissident and shows that the new member patent has entered the group and the group has one pending invitation. Screen 132 of Fig. 20 is another administrative screen which allows the administrator dissident to remove certain members from his group.

As can be seen, the system is quite intuitive and allows a user to quickly become familiar with the system. It also allows each user to become a group administrator and thereby further extend the number of users to the

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system. In this way, the number of users of the system can greatly expand as each member has the easy capability of forming a group and inviting both members and non members to join his newly formed group.

Fig. 1: Topological view of a traditional file sharing system

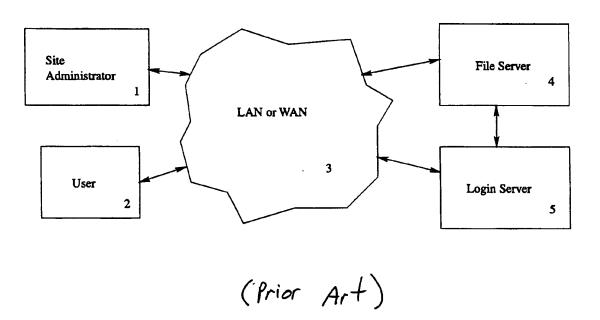


Fig. 2: Topological view of the ICQ member system

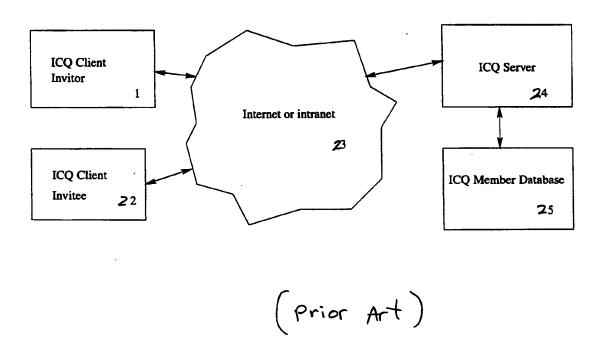
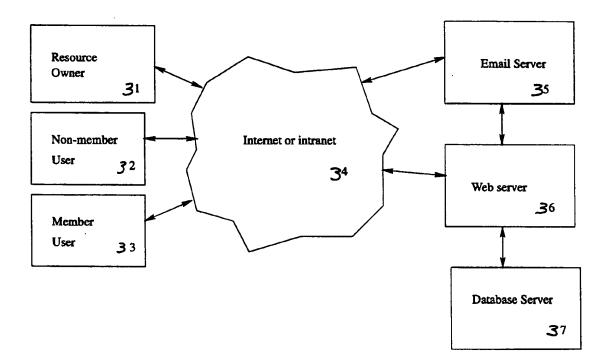
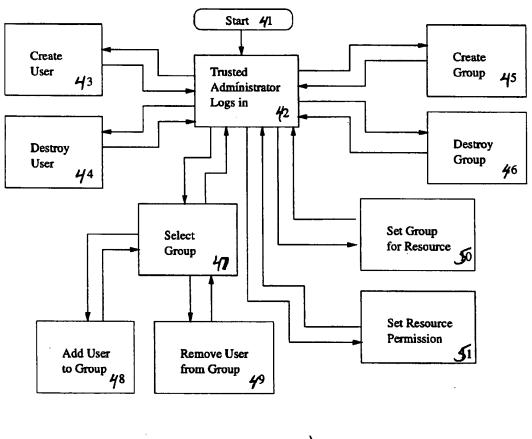


Fig. 3: Topological view of the online photo community

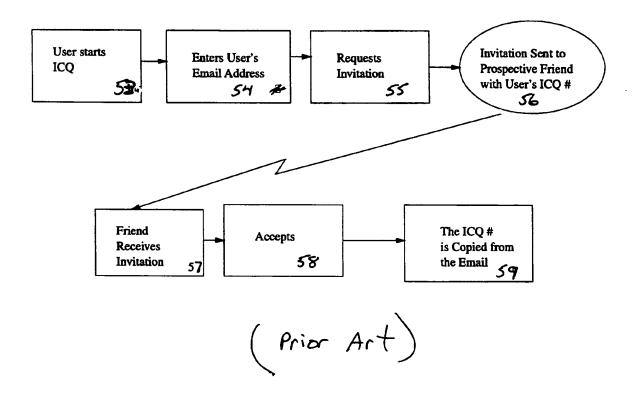


Flg. 4: State diagram of a trusted administrator group system



(Prior Art)

Fig. 5: State diagram of the ICQ member system



Start 61 Create Resource Group 65 Owner Select Logs in 62 Group 47 Destroy Group 66 Remove User from Group Set Group for Resource Invite User to Group Set Resource URL is Permission emailed 72 71 Invite Database URL with updated with cookie group and created user **User Receives** Invitation **URL** with Cookie Fills Out Non-member User Clicks on Sign-up

Member User Clicks on

URL

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Fig. 6: State diagram of the online photo community

URL

Member Logs In

Information

User is Added

to Group

### Member "dissident" logs in:



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F16.7

Member "dissident" chooses My Groups from the navigation bar:

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BANK"

Send

Your Expression 99 personalized greetings inc.

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Upload Contact Us Photo Gallery About Us Log Out My Albums Items: 0 Price: CDN \$0.00 Album hello (0) O My Albums My Groups O Preferences Search Album Jim's your uncle. (1) Random (6) Album 3 These are photos from my Dad's birthday party at Keith's. Visit a User Usemame or E-mail

FIG. 8

Page 1 from 9

Member "dissident" chooses create group:

Mega-Flops Go

Member "dissident" names the group "sample group":

Create a New

Group

Name:

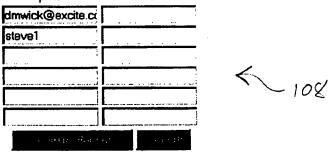
FIG. 9

Member "dissident" adds new members:

## Add Members to Group:

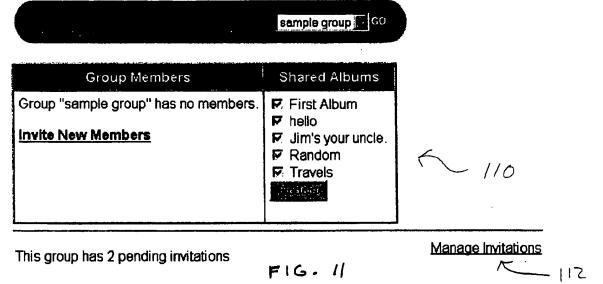
sample group

You can enter e-mail addresses or pixBANK usernames in the following fields. We will send e-mail to each of these people to invite them to join your group. Please double-check all of your addresses. Where possible, it is better to use the person's pixBANK username.



Note that both members who have signed up previously and non-members can be invited.

The site emails off invitations. The group shows that there are 2 pending group members:



To see which members have not yet joined, Manage Inivitations can display pending invitations and allow for re-requesting or blocking members that weren't requested:

# Manage Group Invitations

dmwick@excite.com
steves

characters attends 150,000,000

W 114

Now non-member dmwick@excite.com receives an email:

Date: Thu, 08 Feb 2001 11:37:44 PST

From: "www-data" <www-data@opengraphics.com> [Add to

To: dmwick@excite.com
Subject: pixBANK Group Invitation

The pixBANK member 'dissident' has invited you to join one of his/her photo sharing groups. If you would like to join this group, please click on the following URL:

http://demo.pixbank.com/ig.php3?id=163\_3c74b8c

W116

If you are not interested, please just ignore this e-mail.

Thank you, The pixBANK Robot

P.S. pixBANK is a website that facilitates on-line storage, sharing and professional-quality printing of your home photos. Please feel free to visit our site at <a href="http://demo.pixbank.com/">http://demo.pixbank.com/</a> if this service interests you.

Non-member dmwick@excite.com clicks on the link:



Upload

About Us

Help

### User 'dissident' has invited you to join his/her 'sample group' photo-sharing group.

- If you are already a pixBANK member, you can join the group by logging in right now.
- If you are not yet a member, please sign up for a free membership. Your new account will automatically be added to the group.

Log In

Sign Up

--- 118

Visit a User

Search

Items: 0

Price: CDN \$0.00

My Albums My Groups Preferences

Jemame or E-mail

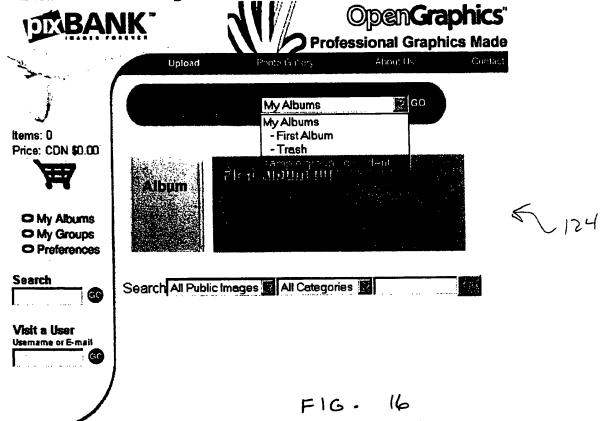
0

If the users had an existing users account but registered under a different email address, then the Log In option would make sense. But this user needs to create an account via Sign Up: **New User Information** 

Usemame:	patent	*	
E-mail Address:	dmwick@excite.com	-122	
Password:			_
Re-type password:		-, <	120
	iodic pixBANK update messages by e-mail.		
Prive	acy Policy   Terms of U	<u>lse</u>	

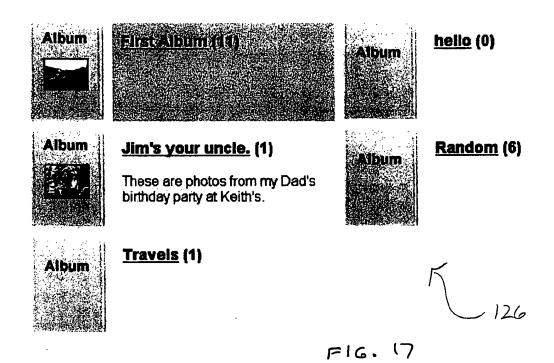
F16.15

The non-member dmwick@excite.com becomes member "patent". Member "patent" views the list of available albums and finds the shared albums from dissident available:



Member "patent" can access and use the albums that belong to the group called "sample group" owned by member "dissident"





Now that member "patent" has joined the group, member "dissident" sees a system message:



By choosing to view the system message, member "dissident" learns who has joined his or her group:

		System Messages	
٢	patent has joined your group	The pixBANK member 'patent' has accepted your invitation to join the group 'sample group'. They should now be able to view photos in any of this group's shared albums.	Feb 08 2001
	होत्राक्ष्य समाम् हिर्म	And the second that the second the second the second that the second the second the second the second that the second the second the second that the second the second the second the second that the second the second the second that the second the second the second the second that the second the s	

F16, 18

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Member "dissident" now sees the new member in the group listing:

Group Members Shared Albums

patent First Album

hello

Random

Travels

This group has 1 pending invitation

Manage Invitations

Also there is still a pending invited membership for the group. Finally, member "dissident" can remove users that are no longer welcome:

## Remove Group Members

Please select which members you would like to remove from group "sample group"

patent

132

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